

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad center, Suite 350  
Salt Lake City, Utah 84180-1203  
Telephone: (801) 538-5340  
Fax: (801) 359-3940



ANNUAL REPORT OF MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, as amended, and the General Rules as promulgated under the Utah Minerals Regulatory Program. An operator conducting mining operations under a Notice of Intention must file an annual operations and progress report (FORM MR-AR) with the Division.

I. General Information

1. Report Time Period: From (mo./yr.) **1/94** To (mo./yr.) **12/94**
2. DOGM File Number (Mine No.): **M/045/004**
3. Mine Name: **Pine Canyon Reclamation Project**
4. Mineral(s) Mined (or permitted to mine): Copper and associated metals.
5. Type of mine: **X** Surface Mine or \_\_\_ Underground Mine
6. Legal Description, (Location of Lands Affected):

Portions of the

Section 17, S 1/2, SW 1/4;

Section 20, N1/2, NW 1/4, W 1/2, NE 1/4, SE 1/4, NE 1/4, E 1/2, SE 1/4;

Section 21, SW 1/4, SW 1/4;

Section 28, N 1/2, SW 1/4, NW 1/4;

Section 29, NE 1/4, NE 1/4;

Township 3 South, Range 3 West, Salt Lake Baseline and Meridian,  
Tooele County, Utah.

7. Name of Operator or Company: Kennecott Utah Copper
8. Permanent Street Address: P. O. Box 525  
City, State, Zip: Bingham Canyon, UT 84006-0525  
Phone: (801) 569-6555
9. Company Representative (or designated operator):  
Name: Frederick D. Fox  
Title: Director, Environmental Affairs  
Business Address: P. O. Box 525  
City, State, Zip: Bingham Canyon, UT 84006-0525  
Phone: (801) 569-6555

☐ Please check if any of the above information has changed since previous year.

## II. Mining and Reclamation

1. Was the mine active during the past year? Yes ☐ No ☒
2. If active, how much ore or mineral was mined? The mine was not active in 1994.
3. How much additional acreage was disturbed during the past year? 0 acres
4. Briefly describe any new or additional surface disturbances that occurred during the past year. This description should include the type of work performed, and volume of material moved.  
  
No new or additional acreage was affected during this reporting period.
5. How much acreage was reclaimed during the past year? 0 acres
6. Briefly describe the reclamation work performed during the past year. This description should include methods employed, and an evaluation of the results.

No new reclamation work occurred during this reporting period. The past year was spent monitoring the reclamation work that was performed over the past few years. Reclaimed areas that were not effected by the flash flood in 1993 show significant amounts of established vegetation. The areas repaired from the 1993 flash flood showed successful establishment of initial revegetation.



7. What is the total disturbed acreage at years end? 17.3 acres
8. Briefly summarize any mining and/or reclamation plans for the upcoming year.

No new reclamation activities are planned for 1995, however, the revegetation will be monitored for success. KUC will apply for partial release of the areas reclaimed in 1988 that were not damaged in the 1993 flash flood. In addition, KUC plans to review and update final designs for the unreclaimed adit and water diversion structure in Pine Canyon.

**NOTE:**

Section III., "Additional Information" applies only to **large mining operations.**

**III. Additional Information**

1. An updated surface facilities map should be attached if there have been significant changes since the previous map was submitted.

No significant changes occurred since last year. Therefore, no map will be submitted with this report.

2. Any monitoring results or other reports that are required under the terms of the approved notice of intention should also be submitted.

The following attachments provide the required water monitoring results as described in the approved notice of intent:

- 1994 Pine Canyon Water Sample Results
- 1994 Pine Canyon Water Level Information

**IV. Signature Requirement**

**I hereby certify that the foregoing is true and correct.**

Name (Typed or Print): Frederick D. Fox

Title of Operator: Director, Environmental Affairs

Signature of Operator: Frederick D Fox

Date: 1/30/95

## 1994 PINE CANYON WATER LEVEL INFORMATION

SAMPLE SITE	DATE	WATER ELEV. (AMSL)
Carr Fork Exhaust Shaft Water Level Monthly Summary	1/3/94	6212.12
	2/4/94	6206.18
	3/1/94	6201.9
	4/8/94	6193.48
	5/5/94	6198.12
	6/2/94	6207.36
	7/7/94	6196.6
	8/1/94	6190.2
	9.1/94	6181.6
	10/10/94	6171.7
	11/15/94	6163.48
	12/12/94	6158.13

## 1994 PINE CANYON WATER SAMPLE RESULTS

ANALYTE	MDL	TOTAL 3/31/94	TOTAL 10/10/94	DISSOLVED 3/31/94	DISSOLVED 10/10/94	UNITS
pH		7.92	7.79			standard pH unit
conductivity	1	600	633			micro mho/cm
temperature		5.5	9			degrees C
Biological Oxygen Demand	0.1	<MDL	9.13			mg/l
total coliform	1	<MDL	58			colonies/100ml
fecal coliform	1	<MDL	<MDL			colonies/100ml
total dissolved solids	5	393	436			mg/l
total suspended solids	1	<MDL	<MDL			mg/l
oil and grease	1	<MDL	<MDL			mg/l
phenol	0.001	<MDL	<MDL			mg/l
calcium	0.1	79	70			mg/l
chloride	5	34	10			mg/l
EPA total cyanide	0.005	<MDL	<MDL			mg/l
potassium	0.1	1.3	1.7			mg/l
magnesium	0.1	38	40.6			mg/l
sodium	0.1	17	13			mg/l
sulfate	5	139	142			mg/l
arsenic	0.004	0.006	0.13	0.006	0.011	mg/l
cadmium	0.001	<MDL	<MDL	<MDL	<MDL	mg/l
copper	0.01	0.05	<MDL	0.04	<MDL	mg/l
iron	0.03	0.03	0.06	0.03	<MDL	mg/l
nickel	0.005	0.009	<MDL	0.007	<MDL	mg/l
lead	0.005	<MDL	<MDL	<MDL	<MDL	mg/l
selenium	0.004	<MDL	<MDL	<MDL	<MDL	mg/l
zinc	0.01	0.06	<MDL	0.01	0.01	mg/l
mercury	0.0001	<MDL	<MDL	<MDL	<MDL	mg/l

SAMPLE ID		AC02668	AC11017	AC02669	AC11018
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NOTES: 1. All samples were analyzed at the Kennecott Environmental Laboratory.  
2. Both samples were collected from the entrance of the Pine Canyon tunnel.



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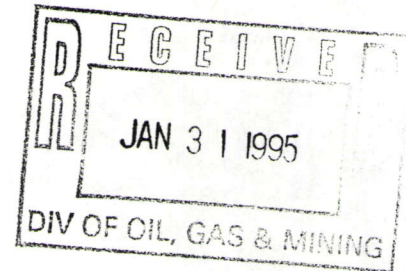
Kennecott  
Utah Copper  
P.O. Box 525  
Bingham Canyon, Utah 84006-0525  
(801) 569-6506

Frederick D. Fox  
Director, Environmental Affairs

**Kennecott**

January 30, 1995

Mr. Wayne Hedberg  
Permit Supervisor  
Minerals Reclamation Program  
Division of Oil, Gas, and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203



Subject: Annual Reports for 1994, Kennecott Utah Copper

Dear Mr. Hedberg:

Enclosed please find the annual report forms completed for the following mine permits:

- M/035/002 Bingham Pit & UCD Modernization and
- M/035/011 4th Line/Copperton Concentrator  
(active)
- M/045/004 Pine Canyon  
(active)
- M/035/005 ~~Saltair~~ North Impoundment  
(Note: name change for mine)
- M/035/015 North Perimeter  
(Note: inactive, application has been  
superseded by application M/035/005  
above)

If you have any questions on these annual reports, please call me.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Frederick D. Fox". The signature is written in a cursive, flowing style.

Frederick D. Fox

FDF:bt

Enclosure